BRUHAT BANGALORE MAHANAGARA PALIKE

PROJECT DIVISION YELAHANKA ZONE

ABSTRACT

Package-10

NAME OF WORK : 1. Construction of anganawadi building at kogilu in ward no 05 byatarayanapura sub division.2) Improvement of road and drain at ward no 05 to ward no 06 and 07 connecting roads in ward no 05 byatarayanapura sub division .3) Improvement of roads and drain at telecom layout cross roads in ward no 05 byatarayanapura sub division .4)Improvement of roads and drain at shivaramakaranthanagara 1st stage cross roads in ward no 05 byatarayanapura sub division

SL NO	DESCRIPTION	SANCTIONED AMOUNT (IN LAKHS)
1	Construction of anganawadi building at kogilu in ward no 05 byatarayanapura sub division	20.00
2	Improvement of road and drain at ward no 05 to ward no 06 and 07 connecting roads in ward no 05 byatarayanapura sub division	160.00
3	Improvement of roads and drain at telecom layout cross roads in ward no 05 byatarayanapura sub division	50.00
4	Improvement of roads and drain at shivaramakaranthanagara 1st stage cross roads in ward no 05 byatarayanapura sub division	50.00
	TOTAL AMOUNT	**280.00**
	NOTE The sanctioned Amount includes estimate cost, DPR,PMC,&TP charges	

Certificate.

1 The rates adopted based on the PWD SR, Bangalore circle for year 2016-17.
2 The provisions made in the estimate are necessary and essential.
3 The workspot was inspected and work is found to be necessary.
4 The area comes within the Bruhat Bangalore Mahanagara Palike limits.

Assistant Engineer

Assistant Executive Engineer
Project- Yelahanka Division

Executive Engineer
Project-Yelahanka Division 20/11/17

Administrative Approval
Accorded For Rs. 280.00 Lakhs
Head of A/C. P-3112
CER NO :.....189..... Dt:15/3/18

E.E. (Project) 15/3

Technical Sanction
Accorded For 280.00 lakh Rs
Head of A/C. P3112
CER NO :.....390 Dt:28/11/17

TA CE (YNK)

BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work: **Construction of Anganawadi building at Kogilu in ward No.05, Byatarayanapura Sub division.**

Estimate Cost Rs. 2000000.00

Sl No	Description of work	No	Dimensions L	B	D	Qty	Rate	Unit	Amount
1	2	3	4	5	6	7	8	9	10
1	Earthwork excavation for foundtion of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications Specification No.KBS 2.1(b)/2.3.5(P-5, It,-2.3)								
	Column	9	1.50	1.50	1.80	36.45			
	All round wall	1	28.40	0.90	0.75	19.17			
	inner wall	1	6.10	0.90	0.75	4.12			
	Toilet	1	2.00	0.90	0.75	1.35			
	Sump	1	3.00	2.00	1.50	9.00			
	Flagging	1	29.20	1.00	0.20	5.84			
	Water supply	1	30.00	0.75	0.75	16.88			
	SaniTary	1	20.00	0.75	0.75	11.25			
					Total	104.05			
	Deduct:Column Jn	9	0.90	0.90	0.90	6.56			
					Net qty	97.49	204.12	Cum	19900.00
	Basic Rate	189.00							
	A.W. @ 8%	15.12							
	Total	204.12							
2	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth including cost of all materials, labour, HOM of machienry, curing complete as per specifications. Specification No.KBS 4.1, 4.2 (P-12, It.4.3)								
	Column	9	1.50	1.50	0.15	3.04			
	All round wall	1	28.40	0.90	0.15	3.83			
		1	6.10	0.90	0.15	0.82			
	Toilet	1	2.00	0.90	0.15	0.27			
	Sump	1	3.00	2.00	0.15	0.90			
	Flagging	1	29.20	1.00	0.10	2.92			
	Flooring bed	1	6.10	5.60	0.10	3.42			
		1	4.50	2.00	0.10	0.90			
		1	1.50	2.00	0.10	0.30			
					Total	16.40			
	Deduct:Column Jn	9	0.45	0.20	0.15	0.12			
					Net qty	16.28	5256.36	Cum	85571.00
	Basic Rate	4867.00							
	A.W. @ 8%	389.36							
	Total	5256.36							

3	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6 stone hammered dressed in courses not less than 20 cms high, bond stones at two m, apart in each course including cost of materials, labour, curing complete as per specifications. (P-25, It5.6)								
	All round wall	1	28.40	0.60	0.60	10.22			
		1	6.10	0.60	0.60	2.20			
	Toilet	1	2.00	0.60	0.60	0.72			
					Total	13.14			
	Deduct:Column Jn	9	0.45	0.20	0.90	0.73			
					Net qty	12.41	4521.96	Cum	56122.00
	Basic Rate	4187.00							
	A.W. @ 8%	334.96							
	Total	4521.96							
4	Providing and constructing granite / trap / basalt size stone masonry in Basement cement mortar 1:6 stone Chistle dressed in courses not less than 15 cms high, bond stones at two m, apart in each course including cost of materials, labour, curing complete as per specifications. (P-26, It5.9)								
	All round wall	1	28.40	0.45	0.45	5.75			
		1	6.10	0.45	0.45	1.24			
	Toilet	1	2.00	0.45	0.45	0.41			
					Total	7.39			
	Deduct:Column Jn	9	0.45	0.20	0.45	0.36			
					Net qty	7.03	5405.40	Cum	37982.00
	Basic Rate	5005.00							
	A.W. @ 8%	400.40							
	Total	5405.40							
5	Providing ruled pointing of coursed stone masonry with Cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, abour, HOM of machineries curing etc., complete as per specification and directions of the Engineer-in-charge (P-112, It.15.3)								
	building	1	28.40		0.45	12.78			
					Total	12.78			
	Deduct:Column Jn	9	0.45		0.45	1.82			
					Net qty	10.96	105.84	Sqm	1160.00
	Basic Rate	98.00							
	A.W. @ 8%	7.84							
	Total	105.84							
6	Filling available excavated earth (excluding rock) in sides of foundation upto plinth in layers not exceeding 20 cms in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification (P-6, It No. 2.10)								
		70% of Qty same as item No.2				68.24			
					Total	68.24	137.16	Cum	9360.00
	Basic Rate	127.00							

	A.W. @ 8%	10.16							
	Total	137.16							
7	KSRB 4-1.6:Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 Kgs, with 20mm and down size graded granite metal coarse aggregtes @ 0.69cum and line aggregates @ 0.459 cum,machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.2 (P-12, It.4.6)								
	sump inside	1	2.60	1.60	0.10	0.42			
	Flagging	1	29.20	1.00	0.10	2.92			
					Total	3.34	5876.28	Cum	19603.00
	Basic Rate	5441.00							
	A.W. @ 8%	435.28							
	Total	5876.28							
8	KSRB 4-2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates 0.459 chm, with superplastisiser @ 3 lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms, thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attched plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.6(P-13, It.4.11)								
	Basic Rate:	6011.00							
	A.W. @ 8%	480.88							
	Total	6491.88							
	Column Footing	9	1.50	1.50	0.50	10.13			
	Columns up to plinth	9	0.45	0.20	1.50	1.22			
	Plinth	1	28.40	0.45	0.20	2.56			
		1	6.10	0.45	0.20	0.55			
		1	2.00	0.45	0.20	0.18			
	Columns above plinth	9	0.45	0.20	3.00	2.43			
	Lintle	1	28.40	0.20	0.20	1.14			
		1	6.10	0.20	0.20	0.24			
		1	2.00	0.20	0.20	0.08			
	Beam	1	28.40	0.20	0.45	2.56			
		1	6.10	0.20	0.45	0.55			
	cross beam	1	8.10	0.20	0.45	0.73			
	Roof	1	8.85	6.50	0.15	8.63			
	Sump	1	3.00	2.00	0.15	0.90			
	S/c	1	4.40	1.00	0.15	0.66			
	landing	1	2.00	1.00	0.15	0.30			
		1	2.40	1.00	0.15	0.36			
	steps	18x1/2	1.00	0.30	0.20	0.54			
	Deduct:Column Jn				Total	33.74			
	Plinth	9	0.45	0.20	0.20	0.16			
	Lintle	9	0.45	0.20	0.20	0.16			

	beam	9	0.45	0.20	0.45	0.36			
						0.69			
					Total	33.05	6491.88	Cum	214552.00
	First Floor								
	Columns	9	0.45	0.20	3.00	2.43			
	Lintle	1	28.40	0.20	0.20	1.14			
		1	6.10	0.20	0.20	0.24			
		1	2.00	0.20	0.20	0.08			
	Beam	1	28.40	0.20	0.45	2.56			
		1	6.10	0.20	0.45	0.55			
	cross beam	1	8.10	0.20	0.45	0.73			
	Roof	1	8.85	6.50	0.15	8.63			
	S/c	1	4.40	1.00	0.15	0.66			
	landing	1	2.00	1.00	0.15	0.30			
		1	2.40	1.00	0.15	0.36			
	steps	18x1/2	1.00	0.30	0.20	0.54			
	Deduct:Column Jn				Total	18.21			
	Lintle	9	0.45	0.20	0.20	0.16			
	beam	9	0.45	0.20	0.45	0.36			
						0.53			
					Total	17.69	6545.88	Cum	115772.00
	Basic Rate:	6011.00							
	Lift charges	50.00							
		6061.00							
	A.W. @ 8%	484.88							
	Total	6545.88							
9	Providing and removing centering, shuttering, strutting, propping etc, and removal of form work for foundation, footing, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2.. (P-15, It.4.28)								
	Basic Rate:	231.00							
	A.W. @ 8%	18.48							
	Total	249.48							
	Column Footing	9	6.00		0.60	32.40			
	Columns up to plinth	9	1.30		1.50	17.55			
	Plinth	2	28.40		0.20	11.36			
		2	6.10		0.20	2.44			
		2	2.00		0.20	0.80			
	Columns above plinth	9	1.30		3.00	35.10			
	Deduct:Column Jn				Total	99.65			
	Plinth	2	9	0.45	0.20	1.62			
						1.62			
					Net qty	98.03	249.48	Sqm	24457.00
10	Providing and removing centering, shuttering, strutting, propping etc, and removal of form work for vertical surface such as walls at any thickness including attached pilaster buttresses,plinth and sting course cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2.. (P-15, It.4.31)								
	Basic Rate:	293.00							
	A.W. @ 8%	23.44							
	Total	316.44							

	Lintle	2	28.40		0.20	11.36			
		2	6.10		0.20	2.44			
		2	2.00		0.20	0.80			
	Beam	2	28.40		0.45	25.56			
		2	6.10		0.45	5.49			
	cross beam	2	8.10		0.45	7.29			
	Deduct:Column Jn				Total	52.94			
	lintle	2	9	0.45	0.20	1.62			
	beam	2	9	0.45	0.30	2.43			
						4.05			
					Net qty	48.89			
	for 2 floors					97.78	316.44	Sqm	30942.00
11	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc, and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2.. (P-15, It.4.30)								
	Basic Rate:	384.00							
	A.W. @ 8%	30.72							
	Total	414.72							
	Roof	1	8.85	6.50		57.53			
	S/c	1	4.40	1.00		4.40			
		1	2.00	1.00		2.00			
		1	2.40	1.00		2.40			
	sump	1	2.60	1.60		4.16			
					Total	70.49			
	for 2 floors					140.97	414.72	Sqm	58463.00
12	KSRB 4.9.2:Providing T.M.T Steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastages shall not be measured and paid) cost of materials, labour, HOM of machienry complete as per specifications. Specification No.KBS 4.6.3 (P-19, It.4.46)								
	Basic Rate	60607.00							
	A.W. @ 8%	4848.56							
	Total	65455.56							
	at120Kg/cum		0.120	33.05		3.97			
			0.120	17.69		2.12			
					Total	6.09	65455.56	Ton	398510.00
13	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per Sqmm with cement mortar 1:4 masonry (quoin, jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P-25, It.5.27)								
	Basic Rate:	937.00							
	A.W. @ 8%	74.96							
	Total	1011.96							
	alround wall	1	28.40		3.00	85.20			

	partion wall	1	6.10		3.00	18.30			
	toilet	1	2.00		3.00	6.00			
	sump	1	9.60		1.80	17.28			
	parapet	1	21.90		0.45	9.86			
				Sub Total		136.64			
	Deduction for Openings:								
	Door D	1	1.05		2.10	2.21			
	d	1	0.90		2.10	1.89			
	d1	1	0.75		2.10	1.58			
	Window	6	0.90		1.20	6.48			
				Sub Total		12.15			
				Net Qty		124.49			
	for 2 floors					248.97	1011.96	Sqm	251948.00
14	KSRB 7.9 : Providing and fixing M.S. grill work for window and ventilators using M.S flats, or M.S. square rods, or combination of M.S. flats, or M.S. square approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials fixtures, labour and HOM of machinery complete as per specifications. Specification No. 7.12(P-32, It.7.9)								
	Basic Rate:	78.00							
	A.W. @ 8%	6.24							
	Total	84.24							
	Window	6	1.20		1.20	8.64			
	Ventilator	1	0.60		0.60	0.36			
					Total	9.00			
	weighing 21 kg/sq	9.00	21.00			189.00			
	for 2 floors					378.00	84.24	Kg	31843.00
15	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS using aluminium section anodized to 12 - 15 microns (item 7.10)								
	Basic Rate:	3818.00							
	A.W. @ 6%	229.08							
	Total	4047.08							
	Window	6	1.20		1.20	8.64			
	Ventilator	1	0.60		0.60	0.36			
						9.00			

	for 2 floors					18.00	4047.08	Sqm	72847.00
16	Providing Mathi/Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought framed or assembled including making plaster groves (excluding cost of cement concrete and sisde clamps) but including cost of materials, labour HOM of machineries complete as per specifications. Specification No.KBS 9.33 (P-51, It.9.12)								
	Basic Rate:	80792.00							
	A.W. @ 8%	6463.36							
	Total	87255.36							
	Door MD	1	6.60	0.10	0.11	0.07			
	d	1	6.00	0.10	0.075	0.05			
	Window	6	8.40	0.075	0.075	0.28			
	Ventilator	1	2.40	0.075	0.075	0.01			
					Total	0.41			
	for 2 floors					0.83	87255.36	Cum	72352.00
17	Providing and fixing inposition fully panelled Mathi/Nandi wood shutters for doors, styles and rails of 40mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panesl of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 (P-51, It.9.16)								
	Basic Rate:	3925.00							
	A.W. @ 8%	314.00							
	Total	4239.00							
	Door MD	1	1.05		2.10	2.21			
	d	1	0.90		2.10	1.89			
					Total	4.10			
	for 2 floors					8.19	4239.00	Sqm	34717.00
18	"SOLID PVC DOOR FRAME Providing & fixing factory made PVC door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at comers & jointed 2 nos of 150mm long brackets of 15x15mm M.S. Square tube, the entire door frame to be reinforced with 19x19mm M.S. Square tube of 19 guage. The door frame to be fixed to the wall using M.S. screws of 65/80mm size complete as per manufactures specification & direction of Engineer-in-charge. (P-62, It.9.84)								
	Basic Rate:	526.00							
	A.W. @ 8%	42.08							
	Total	568.08							
	Toilet door	1	0.75		2.10	1.58			
					Total	1.58			
	for 2 floors		Sqm			3.15	568.08	Sqm	1789.00

19	"SOLID PANEL PRELAM PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam prelim Paneled door shutters made from M.S. Tube of 19 x 19 mm, 19 for styles and 15x15mm for top & bottom rails, covered with heat moulded prelaminated PVC 'C' channel of 5mm thick sheet & 30x50mm wide to form styles & 5mm thick & 75mm wide prelaminated PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide cross PVC sheet as gap insert for top rail & bottom rail , paneling of 5mm thick PVC sheet prelaminated on either side fitted in the M.S. Frame, sealed to the styles & rails with PVC designer beading on either side & joined together with solvent cement adhesive etc., complete as per manufactures specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75m.m Aluminium hinges. --do – with both side prelim(P-62, It.9.85.1)								
	Basic Rate:	4045.00							
	A.W. @ 8%	323.60							
	Total	4368.60							
	Toilet door	1	0.75		2.10	1.58			
					Total	1.58			
	for 2 floors		Sqm			3.15	4368.60	Sqm	13761.00
20	Providing and fixing mortise lock heavey duty to doors (P-257, it;37.32)								
	Basic Rate:	599.00							
	A.W. @ 8%	47.92							
	Total	646.92							
		4				4.00			
					Total	4.00	646.92	Nos	2588.00
21	KSRB 15-3.14: Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. .(P-113, It.15.22)								
	Basic Rate:	178.00							
	A.W. @ 8%	14.24							
	Total	192.24							
	Ceiling								
	Hall	1	6.10	5.60		34.16			
		1	4.50	2.00		9.00			
	Toilet	1	1.50	2.00		3.00			
					Total	46.16			
	for 2 floors					92.32	192.24	Sqm	17748.00
22	KSRB 15-3.8: Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P-113, It.15.16)								
	Basic Rate:	221.00							
	A.W. @ 8%	17.68							
	Total	238.68							
	Inside walls								
	Rooms	2	6.10		3.00	36.60			

		2	5.60		3.00	33.60			
		2	4.50		3.00	27.00			
		2	2.00		3.00	12.00			
	Toilet	2	1.50		3.00	9.00			
		2	2.00		3.00	12.00			
				Sub Total		130.20			
	Deduction for Openings:								
	Door D	1	1.05		2.10	2.21			
		1	0.90		2.10	1.89			
		1	0.75		2.10	1.58			
	Window	6	1.20		1.20	8.64			
	Ventilator	1	0.60		0.60	0.36			
				Sub Total		14.67			
				Net Qty		115.53			
	for 2 floors					231.06	238.68	Sqm	55149.00
23	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonary & Concrete including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. .(P-113, It.15.19)								
	Basic Rate:	234.00							
	A.W. @ 8%	18.72							
	Total	252.72							
	out side	2	8.10		3.20	51.84			
		2	6.50		3.20	41.60			
					Total	93.44			
	for 2 floors					186.88	252.72	Sqm	47228.00
24	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. .(P-122, It.15.33)								
	Basic Rate:	25.00							
	A.W. @ 8%	2.00							
	Total	27.00							
		Qty Vide Item No.22				46.16			
		Qty Vide Item No.23				115.53			
					Total	161.69			
	for 2 floors					323.38	27.00	Sqm	8731.00
25	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications.do with primer.(P-117, It.15.51.2)								
	Basic Rate:	90.00							
	A.W. @ 8%	7.20							
	Total	97.20							
	Qty Vide Item No.25					161.69			
					Total	161.69			
	for 2 floors					323.38	97.20	Sqm	31433.00

26	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - do - with primer (P-118 It.15.53.2								
	Basic Rate	84.00							
	A.W. @ 8%	6.72							
	Total	90.72							
	Qty Vide Item No.24					93.44			
					Total	93.44			
	for 2 floors					186.88	90.72	Sqm	16954.00
27	Providing vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification. (P-107, It.14.45)								
	Basic Rate:	1112.00							
	A.W. @ 8%	88.96							
	Total	1200.96							
	Hall	1	6.10	5.60		34.16			
		1	4.50	2.00		9.00			
	skirting	2	11.70		0.15	3.51			
		2	6.50		0.15	1.95			
					Total	48.62			
	for 2 floors					97.24	1200.96	Sqm	116781.00
28	KSRB 11.5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved								
	Basic Rate:	5130.00							
	A.W. @ 8%	410.40							
	Total	5540.40							
		1				1.00			
	for 2 floors					2.00	5540.40	Sqm	11081.00
29	Providing Ceramic tiles of approved make shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick cement mortar 1:3 mix flush pointing with white cement using colour pigment including cost of materials labour curing complete as per specification (P-106, I.no 14.36.1)								
	Basic Rate:	925.00							
	A.W. @ 8%	74.00							
	Total	999.00							
	Toilets	1	1.50	2.00		3.00			
					Total	3.00			
	for 2 floors					6.00	999.00	Sqm	5994.00
30	KSRB 14-17.2: Providing skirting, dado, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No. KBS 14.16, 14.17..(P-106, It.14.41)								

	Basic Rate:	1072.00							
	A.W. @ 8%	85.76							
	Total	1157.76							
	Toilet Inside	2	1.50		2.10	6.30			
		2	2.00		2.10	8.40			
						14.70			
	Deduction for Openings:								
	Door	1	0.75		2.10	1.58			
				Sub Total		1.58			
				Net Qty		13.13			
	for 2 floors					26.25	1157.76	Sqm	30391.00
31	KSRB 11-11.3: Providing and fixing white vitreous china clay flat back wash basin size 550x400mm with a pair of 15mm C.P. brass pillar taps with C.I/M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11.(P-81, It.12.25)								
	Basic Rate:	3734.00							
	A.W. @ 8%	298.72							
	Total	4032.72							
		2				2.00			
					Total	2.00	4032.72	Each	8065.00
32	KSRB 8.6-7: Providing and fixing on wall surface 4.0kg/ sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications..(P-47, It.8.18)								
	Basic Rate:	428.00							
	A.W. @ 8%	34.24							
	Total	462.24							
		1	30.00			30.00			
		1	20.00			20.00			
					Total	50.00	462.24	Rmtr	23112.00
33	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete. (concealed work including cutting chases and good the walls etc.,)20mm nominal OD Pipes(P-96, It.13.86.2)								
	Basic Rate:	210.00							
	A.W. @ 8%	16.80							
	Total	226.80							
	Toilet	2	20.00			40.00			
					Total	40.00	226.80	Rmtr	9072.00

34	KSRB 13-6.2-1 : Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.2/13.3.(P-91, It.13.26.2)								
	Basic Rate:	161.00							
	A.W. @ 8%	12.88							
	Total	173.88							
		4				4.00			
					Total	4.00	173.88	Each	696.00
35	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I/ISO/SSI Specifications.(P-265,I-37.58)								
	Basic Rate:	6.00							
	A.W. @ 8%	0.48							
	Total	6.48							
		1	1000.00			1000.00			
					Total	1000.00	6.48	Ltrs	6480.00
36	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). 12.5 cms x 7.5 xms. (Pg. 88 - I. No. 12.113.2)								
	Basic Rate:	285.00							
	A.W. @ 8%	22.80							
	Total	307.80							
		2				2.00			
					Total	2.00	307.80	Each	616.00
37	Providing and fixing 600X450mm bevellead edge mirror of superior glass with 6mm hard board backing and fixed to wooden cleats with C.P screws, washers, including cost of materials, labour complete as per specifications. (Pg. 82 - I. No. 12.39)								
	Basic Rate:	1251.00							
	A.W. @ 8%	100.08							
	Total	1351.08							
		2				2.00			
					Total	2.00	1351.08	Each	2702.00
38	KSRB 12-8.1: Constructing brick masonry inspection chamber 450x450mm and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 455 x 610mm internal dimensions, total weight of cover with frame to be not less than 38kg. (weight of cover 23kg. and weight of frame 15kg) RCC top slab with cement concrete 1:2:4 mix 20mm and down size granite metal, foundation concrete 1:5:10 with 40mm and down size granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications..(P-74, It.11.50.2)								
	Basic Rate:	5344.00							
	A.W. @ 8%	427.52							
	Total	5771.52							

		2				2.00			
					Total	2.00	5771.52	Nos	11543.00
39	Providing & fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mm x 20mm M.S. Square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections should be cut to length, welded and grinded wherever necessary etc., complete. The work includes cost of all materials, labour chages for all items of work, hire charges etc., complete as per specification and drawing. (P.No.42, I.No.7.35)								
	Basic Rate:	2646.00							
	A.W. @ 8%	211.68							
	Total	2857.68							
	S/c	2	5.40		0.90	9.72			
					Total	9.72	2857.68	Sqm	27777.00
40	Supplying & fixing .1 HP Atalanta/suguna/CRI /other equilent pump as per direction of Engineeer in charge of work (P.No.XXXXIV, I.No.1)								
		1				1.00			
					Total	1.00	12600.00	Nos	12600.00
40	Miscellaneous & Rounding off:							L/S	1608.00
								TOTAL Rs:	2000000.00

CERTIFICATE:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The provisions made in the estimate are necessary and minimum
4. The estimate is based on CSR of 2016-17

Assistant Engineer

Assistant Executive Engineer
Project
B B M P

Executive Engineer
Project
B B M P

20/11